European Journal of Orthodontics 15 (1993) 549–555

© 1993 European Orthodontic Society

European Journal of Orthodontics

Volume 15 (1993) Subject entries

Acoustic TMJ symptoms
Correlations between the loss of ... and alterations in mandibular mobility after surgical mandibular advancement 229
Advanced orthodontic specialty education
... in the USA 169
Aetiological factors
The ... in Class III malocclusion 347
Alveolar support
An analysis of orthodontic force systems applied to the dentition with diminished ... 73
Anterior open bite malocclusion
...: a follow-up study of orthodontic treatment effects 273
Apnoea
Head posture in obstructive sleep ... 107
Appearance
Concern for dental ... among young adults in a region with non-specialist orthodontic treatment 17

Biomechanical changes
... of the mandible from orthopaedic chin cup force studied in a three-dimensional finite element model 527
Biometric analysis
... of the dental casts of Maasai following traditional extraction of mandibular permanent central incisors and of Kikuyu children 513
Blood vessels
A TEM stereological analysis of ... and nerves in marmoset periodontal ligament following endodontics and magnetic incisor extrusion 33
Bond strength
The tensile ... of new and rebonded stainless steel orthodontic brackets 125
Bone height
Orthodontic tooth movement into edentulous areas with reduced ... 89
Bone ratio
A three-dimensional analysis of bone and soft tissue to ... of movements in 17 Skeletal II patients following orthognathic surgery 97
Bone surface
Electrical effects at the ... 175

Canines
Emergence of the deciduous ... and molars in CLP children 65
Impaction of maxillary ... and congenitally missing third molars 1
Cephalograms
Reliability of landmark recording on film and digital lateral ... 137
Cephalometric appraisal
Changes in dentofacial morphology in skeletal Class III children treated by a modified maxillary protraction headgear and a chin cup: a longitudinal ... 211
Cephalometric comparison
A ... of medieval skulls with a modern population 315
Cephalometric errors
A comparative assessment of ... 305
Ceramic brackets
Electrothermal debonding of ... 115
Chin cap appliance
Early treatment of Class III incisor relationship using the ... 371
Chin cup
Changes in dentofacial morphology in skeletal Class III children treated by a modified maxillary protraction headgear and a ... 211
Chin cup force
Biomechanical changes of the mandible from orthopaedic ... studied in a three-dimensional finite element model 527
Class III children
Changes in dentofacial morphology in skeletal ... treated by a modified maxillary protraction headgear and a chin cup 211
Discriminant analysis: a model for the prediction of relapse of ... treated orthodontically by a non-extraction technique 199
Class III incisor relationship
Early treatment of ... using the chin-cap appliance 371
Class III malocclusion
The aetiological factors in ... 347
...: the post-retention findings following a non-extraction treatment approach 45
Cleft lip and palate
Emergence of the deciduous canines and molars in ... children 65
Cleft lip and/or palate
Ectopic eruption of the maxillary first permanent molars in children with ... 535
Craniofacial maturation
Comparison of human ... on prenatal profile radiographs 149
Craniofacial morphology
Nasal airway, lip competence, and ... 297
Craniofacial patterning
... in Klinefelter (47 XXY) adults 185
Cross-bite
Force delivery from a transpalatal arch for the correction of unilateral first molar ... 411
Functional and morphological-occlusal aspects in children treated for unilateral posterior ..., 57

Delaire analysis
Inter- and intra-observer identification of landmarks used in the ... 79
Dental casts
Biometric analysis of the ... of Maasai following traditional extraction of mandibular permanent central incisors and of Kikuyu children 513
Dental maturation
Comparison of human ... on prenatal profile radiographs 149
Dental wear
Vertical height differences in subjects with severe ... 519

Dentofacial morphology
Changes in ... in skeletal Class III children treated by a modified maxillary protraction headgear and a chin cup 211
Digital lateral cephalograms
Reliability of landmark recording on ... 137
Discriminant analysis
...: a model for the prediction of relapse in Class III children treated orthodontically by a non-extraction technique 199

Ectopic eruption
... of the maxillary first permanent molars in children with cleft lip and/or palate 535
Edentulous areas
Orthodontic tooth movement into ... with reduced bone height 89
Electrical effects
... at the bone surface 175
Electrothermal debonding
... of ceramic brackets 115
Elliptical Fourier functions
Quantification of function regulator therapy using ... 481
Endodontics
A TEM stereological analysis of blood vessels and nerves in marmoset periodontal ligament following ... and magnetic incisor extrusion 33
Extraction
The effect of ... of four second permanent molars on the incisor overbite 291
Extraction space closure
The spontaneous effects of lower first premolar extraction on the mesiodistal angulation of adjacent teeth and the relationship of this to ... in the long term 503

Facial configuration
A study of the growth changes in ... 493
Film cephalograms
Reliability of landmark recording on ... 137
Force delivery
... from a transpalatal arch for the correction of unilateral first molar cross-bite 411
Fourier functions
Quantification of function regulator therapy using elliptical ... 481
Function regulator therapy
Quantification of ... using elliptical Fourier functions 481
Functional appliances
Transcranial oblique lateral radiography to verify the position of the mandibular condyles with the use of ... 387
Functional aspects
... in children treated for unilateral posterior cross-bite 57

Growth changes
A study of the ... in facial configuration 493

Head posture
... in obstructive sleep apnoea 107
Hyalinized zones
Non-clast cells start orthodontic root resorption in the periphery of ... 467
Hyoid bone
The ... position in adult individuals with open bite and normal occlusion 265

Impaction
... of maxillary canines and congenitally missing third molars 1
Incisor overbite
The effect of extraction of four second permanent molars on ... 291
Incisors
Biometric analysis of the dental casts of Maasai following traditional extraction of mandibular permanent central ... and of Kikuyu children 513

Kikuyu children
Biometric analysis of the dental casts of Maasai following traditional extraction of mandibular permanent central incisors and of ... 513
Klinefelter adults
Craniofacial patterning in ... 185
Klinefelter's syndrome
Mesiodistal dimension of permanent teeth in men with ... 195

Landmark recording
Reliability of ...on film and digital lateral cephalograms 137
Landmarks
Inter- and intra-observer identification of ... used in the Delaire analysis 79
Ligation
A comparison of the forces required to produce tooth movement *in vitro* using two self-ligating brackets and a pre-adjusted bracket employing two types of ... 377
Lip competence
Nasal airway, ..., and craniofacial morphology 297
Local compression
The initial phase of orthodontic root resorption incident to ... of the periodontal ligament 249
Lower first premolar extraction
The spontaneous effects of ... on the mesio-distal angulation of adjacent teeth and the relationship of this to extraction space closure in the long term 503

Maasai
Biometric analysis of the dental casts of ... following traditional extraction of mandibular permanent central incisors and of Kikuyu children 513
Magnetic incisor extrusion
A TEM stereological analysis of blood vessels and nerves in marmoset periodontal ligament following endodontics and ... 33
Magnets
The use of ... in orthodontic therapy: panel discussion 421
Mandible
Biomechanical changes of the ... from orthopaedic chin cup force studied in a three-dimensional finite element model 527
Mandibular advancement
Correlations between the loss of acoustic TMJ symptoms and alterations in mandibular mobility after surgical ... 229
Mandibular condyles
Radiological variations in ... of Finnish students, one group orthodontically treated and the other not 223

Transcranial oblique lateral radiography to verify the position of the ... with the use of functional appliances 387
Mandibular mobility
Correlations between the loss of acoustic TMJ symptoms and alterations in ... after surgical mandibular advancement 229
Mandibular permanent central incisors
Biometric analysis of the dental casts of Maasai following traditional extraction of ... and of Kikuyu children 513
Maxillary canines
Impaction of ... and congenitally missing third molars 1
Maxillary first permanent molars
Ectopic eruption of the ... in children with cleft lip and/or palate 535
Medieval skulls
A cephalometric comparison of ... with a modern population 315
Mesio-distal angulation
The spontaneous effects of lower first premolar extraction on the ... of adjacent teeth and the relationship of this to extraction space closure in the long term 503
Mesio-distal dimension
... of permanent teeth in men with Klinefelter's syndrome 195
Modified maxillary protraction headgear
Changes in dentofacial morphology in skeletal Class III children treated by a ... and a chin cup 211
Molars
Ectopic eruption of the maxillary first permanent ... in children with cleft lip and/or palate 535
Emergence of the deciduous canines and ... in CLP children 65
Impaction of maxillary canines and congenitally missing third ... 1
The effect of extraction of four second permanent ... on the incisor overbite 291
Morphological-occlusal aspects
... in children treated for unilateral posterior cross-bite 57

Nasal airway
..., lip competence, and craniofacial morphology 297
Nerves
A TEM stereological analysis of blood vessels and ... in marmoset periodontal ligament following endodontics and magnetic incisor extrusion 33
Non-clast cells
... start orthodontic root resorption in the periphery of hyalinized zones 467
Non-extraction technique
Discriminant analysis: a model for the prediction of relapse in Class III children treated orthodontically by a ... 199
Non-extraction treatment
Class III malocclusion: the post-retention findings following a ... approach 45
Normal occlusion
The hyoid bone position in adult individuals with open bite and ... 265

Obstructive sleep apnoea
Head posture in ... 107
Open bite
Anterior ... malocclusion: a follow-up study of orthodontic treatment effects 273
The hyoid bone position in adult individuals with ... and normal occlusion 265
Orthodontic brackets
The tensile bond strength of new and rebonded stainless steel ... 125
Orthodontic education
... in Poland 167
Orthodontic force systems
An analysis of ... applied to the dentition with diminished alveolar support 73
Orthodontic pliers
The effect of routine steam autoclaving on ... 281
Orthodontic root resorption
Non-clast cells start ... in the periphery of hyalinized zones 467
The initial phase of ... incident to local compression of the periodontal ligament 249
Orthodontic specialty education
Advanced ... in the USA 169
Orthodontic therapy
The use of magnets in ...: panel discussion 421
Orthodontic tooth movement
... into edentulous areas with reduced bone height 89
Orthodontic treatment
Concern for dental appearance among young adults in a region with non-specialist ... 17
Orthodontic treatment effects
Anterior open bite malocclusion: a follow-up study of ... 273
Orthodontic treatment standards
... in Norway 7
Orthodontics
... in Europe 1992 393
Orthognathic surgery
A three-dimensional analysis of bone and soft tissue to bone ratio of movements in 17 Skeletal II patients following ... 97
Orthopaedic chin cup force
Biomechanical changes of the mandible from ... studied in a three-dimensional finite element model 6:7
Overbite
The effect of extraction of four second permanent molars on the incisor ... 291

PAR Index
A comparison of the reliability and validity of the ... and Summers' Occlusal Index 27
Periodontal ligament
A TEM stereological analysis of blood vessels and nerves in marmoset ... following endodontics and magnetic incisor extrusion 33
The initial phase of orthodontic root resorption incident to local compression of the ... 249
Permanent teeth
Mesiodistal dimension of ... in men with Klinefelter's syndrome 195
Postgraduate orthodontic education
... a symposium 161
Postgraduate orthodontic programme
How to run a ... 163
Postgraduate orthodontic programme
Problems in setting up a ... 161
Postgraduate orthodontic training
Specialist ...: a comparison of two European universities 403
Post-retention findings
Class III malocclusion: the ... following a non-extraction treatment approach 45
Pre-adjusted bracket
A comparison of the forces required to produce tooth movement *in*

vitro using two self-ligating brackets and a ... employing two types of ligation 377
Premolar extraction
The spontaneous effects of lower first ... on the mesio-distal angulation of adjacent teeth and the relationship of this to extraction space closure in the long term 503
Prenatal profile radiographs
Comparison of human dental and craniofacial maturation on ... 149
Protraction headgear
Changes in dentofacial morphology in skeletal Class III children treated by a modified maxillary ... and a chin cup 211

Radiographs
Comparison of human dental and craniofacial maturation on prenatal profile ... 149
Radiography
Transcranial oblique lateral ... to verify the position of the mandibular condyles with the use of functional appliances 387
Radiological variations
... in mandibular condyles of Finnish students, one group orthodontically treated and the other not 223
Relapse
Discriminant analysis: a model for the prediction of ... in Class III children treated orthodontically by a non-extraction technique 199
Root resorption
Non-clast cells start orthodontic ... in the periphery of hyalinized zones 467
The initial phase of orthodontic ... incident to local compression of the periodontal ligament 249

Self-ligating brackets
A comparison of the forces required to produce tooth movement *in vitro* using two self-ligating brackets and a ... employing two types of ligation 377
Skeletal II patients
A three-dimensional analysis of bone and soft tissue to bone ratio of movements in 17 ... following orthognathic surgery 97
Skull
Description of an ancient ... 1
Sliding mechanics
Factors affecting tooth movement in ... 235
Soft tissue
A three-dimensional analysis of bone and ... to bone ratio of movements in 17 Skeletal II patients following orthognathic surgery 97
Stainless steel orthodontic brackets
The tensile bond strength of new and rebonded ... 125
Steam autoclaving
The effect of routine ... on orthodontic pliers 281
Summers' Occlusal Index
A comparison of the reliability and validity of the PAR Index and ... 27
Surgical mandibular advancement
Correlations between the loss of acoustic TMJ symptoms and alterations in mandibular mobility after ... 229

TEM stereological analysis
A ... of blood vessels and nerves in marmoset periodontal ligament following endodontics and magnetic incisor extrusion 33
Temporomandibular joint symptoms
Correlations between the loss of acoustic ... and alterations in mandibular mobility after surgical mandibular advancement 229
Tensile bond strength
... of new and rebonded stainless steel orthodontic brackets 125
Three-dimensional analysis
A ... of bone and soft tissue to bone ratio of movements in 17 Skeletal II patients following orthognathic surgery 97
Three-dimensional finite element model
Biomechanical changes of the mandible from orthopaedic chin cup force studied in a ... 527
Tooth movement
A comparison of the forces required to produce ... *in vitro* using two self-ligating brackets and a pre-adjusted bracket employing two types of ligation 377
Factors affecting ... in sliding mechanics 235
Traditional extraction
Biometric analysis of the dental casts of Maasai following ... of mandibular permanent central incisors and of Kikuyu children 513
Transcranial oblique lateral radiography
... to verify the position of the mandibular condyles with the use of functional appliances 387
Transpalatal arch
Force delivery from a ... for the correction of unilateral first molar cross-bite 411

Unilateral first molar cross-bite
Force delivery from a transpalatal arch for the correction of ... 411
Unilateral posterior cross-bite
Functional and morphological-occlusal aspects in children treated for ... 57

Vertical height differences
... in subjects with severe dental wear 519

Young adults
Concern for dental appearance among ... in a region with non-specialist orthodontic treatment 17

Author entries

Allen, R. A., Connolly, I. H. and Richardson, A.
Early treatment of Class III relationship using the chin cap appliance 371
Alvesalo, L. see Brown, T.
Amwayi, P. see Hassanali, J.
Andrews, M. see Buchanan, I. B.; Richmond, S.
Argüelles, J. see Cobo, J.

Babić, M. see Šćepan, I.
Bacon, W. see Kerr, W. J. S.
Bantleon, H-P. see Göllner, P.
Battagel, J. M.
A comparative assessment of cephalometric errors 305
Battagel, J. M.
Discriminant analysis: a model for the prediction of relapse in Class III children treated orthodontically by a non-extraction technique 199
Battagel, J. M.
The aetiological factors in Class III malocclusion 347
Battagel, J. M. and Orton, H. S.
Class III malocclusion: the post-retention findings following a non-extraction treatment approach 45
Berg, R. see Katsaros, C.
Ben-Bassat, Y., Yaffe, A., Brin, I., Freeman, J. and Ehrlich, Y.
Functional and morphological-occlusal aspects in children treated for unilateral posterior cross-bite 57
Birnie, D. J. see Sims, A. P. T.
Bjerklin, K., Kurol, J. and Paulin, G.
Ectopic eruption of the maxillary first permanent molars in children with cleft lip and/or palate 535
Blunden, R. see Jones, M.
Booij, C.
Guest editorial 173
Braun, S., Winzler, J. and Johnson, B. E.
An analysis of orthodontic force systems applied to the dentition with diminished alveolar support 73
Brin, I. see Ben-Bassat, Y.
Browns, E. M. M., Schopf, P. M. and Kocjancic, B.
Electrothermal debonding of ceramic brackets. An *in vitro* study 115
Brown, T., Alvesalo, L. and Townsend, G. C.
Craniofacial patterning in Klinefelter (47 XXY) adults 185
Brudvik, P. and Rygh, P.
Non-clast cells start orthodontic root resorption in the periphery of hyalinized zones 467
Brudvik, P. and Rygh, P.
The initial phase of orthodontic root resorption incident to local compression of the periodontal ligament 249
Buchanan, I. B., Shaw, W. C., Richmond, S., O'Brien, K. D. and Andrews, M.
A comparison of the reliability and validity of the PAR Index and Summers' Occlusal Index 27

Chang, H-P., Kinoshita, Z. and Kawamoto, T.
A study of the growth changes in facial configuration 493
Chau, M. N. Y. see Haynes, S.
Christensen, L. R., Kjær, I. and Græm, N.
Comparison of human dental and craniofacial maturation on prenatal profile radiographs 149
Cobo, J., Argüelles, J., Vijande, M., Costales, M. and Fernández, Y.
Transcranial oblique lateral radiography to verify the position of the mandibular condyles with the use of functional appliances 387
Connolly, I. H. see Allen, R. A.
Costales, M. see Cobo, J.
Crothers, A. and Sandham, A.
Vertical height differences in subjects with severe dental wear 519

Ehrlich, Y. see Ben-Bassat, Y.
Espeland, L. V., Stenvik, A. and Medin, L.
Concern for dental appearance among young adults in a region with non-specialist orthodontic treatment 17

Fernández, Y. see Cobo, J.
Freeman, J. see Ben-Bassat, Y.
Fricke, B., Gebert, H-J., Grabowski, R., Hasund, A. and Sergl, H-G.
Nasal airway, lip competence, and craniofacial morphology 297
Fright, W. R. see McCance, A. M.

Gebert, H-J. see Fricke, B.
Glišić, B. see Šćepan, I.
Göllner, P., Bantleon, H-P. and Ingervall, B.
Force delivery from a transpalatal arch for the correction of unilateral first molar cross-bite 411
Grabowski, R. see Fricke, B.
Græm, N. see Christensen, L. R.
Greck, B. see Kerr, W. J. S.

Haralabakis, N. B., Toutountzakis, N. M. and Yiagtzis, S. Ch.
The hyoid bone position in adult individuals with open bite and normal occlusion 265
Hassanalli, J. and Amwayi, P.
Biometric analysis of the dental casts of Maasai following traditional extraction of mandibular permanent central incisors and of Kikuyu children 513
Hasund, A. see Fricke, B.
Haynes, S. and Chau, M. N. Y.
Inter- and intra-observer identification of landmarks used in the Delaire analysis 79
Hoeksma, J. B. see Kramer, G. J. C.

Ingervall, B. see Göllner, P.
Iseri, H. and Uzel, I.
Impaction of maxillary canines and congenitally missing third molars. Description of an ancient skull (7250–6700 BC) 1

James, D. R. see McCance, A. M.
Johnson, B. E. see Braun, S.
Jones, M., Pizarro, K. and Blunden, R.
The effect of routine steam autoclaving on orthodontic pliers 281

Katsaros, C. and Berg, R.
Anterior open bite malocclusion: a follow-up study of orthodontic treatment effects 273

Kawamoto, T. see Chang, H-P.
Kerr, W. J. S., Greck, B. and Bacon, W.
Specialist postgraduate orthodontic training: a comparison of two European universities 403
Kerr, W. J. S. see Lestrel, P. E.
Kinoshita, Z. see Chang, H-P.
Kjær, I. see Christensen, L. R.
Kocjancic, B. see Brouns, E. M. M.
Komorowska, A,.
Orthodontic education in Poland 167
Kramer, G. J. C., Hoeksma, J. B. and Prahl-Andersen, B.
Emergence of the deciduous canines and molars in CLP children 65
Kurol, J. see Bjerklin, K.

LeMasney, B. see Regan, D.
Lestrel, P. E. and Kerr, W. J. S.
Quantification of function regulator therapy using elliptical Fourier functions 481
Lindskog-Stokland, B., Wennström, J. L., Nyman, S. and Thilander, B.
Orthodontic tooth movement into edentulous areas with reduced bone height. An experimental study in the dog 89
Linney, A. D. see McCance, A. M.
Lu, Y. C-L. see Tanne, K.
Luther, F.
A cephalometric comparison of medieval skulls with a modern population 315

Macrì, V. and Wenzel, A.
Reliability of landmark recording on film and digital lateral cephalograms 137
McCance, A. M., Moss, J. P., Fright, W. R., James, D. R. and Linney, A. D.
A three-dimensional analysis of bone and soft tissue to bone ratio of movements in 17 Skeletal II patients following orthognathic surgery 97
McDonald, F.
Electrical effects at the bone surface 175
Medin, L. see Espeland, L. V.
Moss, J. P.
Orthodontics in Europe 1992 393
Moss, J. P. see McCance, A. M.
Moore, J. C. and Waters, N. E.
Factors affecting tooth movement in sliding mechanics 235
Moorees, C. F. A.
Advanced orthodontic specialty education in the USA 169

Noort, R., van see Regan, D.
Nyman, S. see Lindskog-Stokland, B.

O'Brien, K. D. see Buchanan, I. B.
Orton, H. see Battagel, J. M.
Ovesen, J. see Solow, B.

Parlange, L. M. and Sims, M. R.
A T.E.M. stereological analysis of blood vessels and nerves in marmoset periodontal ligament following endodontics and magnetic incisor extrusion 33
Paulin, G. see Bjerklin, K.
Peltola, J. S.
Radiological variations in mandibular condyles of Finnish students, one group orthodontically treated and the other not 223
Petdachai, S. see Takada, K.
Pethybridge, R. J. see Sims, A. P. T.
Pizarro, K. see Jones, M.
Prahl-Andersen, B. see Kramer, G. J. C.

Regan, D., LeMasney, B. and Noort, R., van
The tensile bond strength of new and rebonded stainless steel orthodontic brackets 125
Richardson, A. see Allen, R. A.; Richardson, M. E.
Richardson, M. E. and Richardson, A.
The effect of extraction of four second permanent molars on the incisor overbite 291
Richmond, S. and Andrews, M.
Orthodontic treatment standards in Norway, 7
Richmond, S. see Buchanan, I. B.
Rönning, O.
The use of mangets in orthodontic therapy: panel discussion 421
Rygh, P.
How to run a postgraduate orthodontic programme 163
Rygh, P. see Brudvik, P.

Sakuda, M. see Takada, K.; Tanne, K.
Sandham, A. see Crothers, A.
Šćepan, I., Babić, M. and Glišić, B.
Mesiodistal dimension of permanent teeth in men with Klinefelter's syndrome 195
Schopf, P. M. see Brouns, E. M. M.
Sergl, H-G. see Fricke, B.
Shaw, W. C. see Buchanan, I. B.
Sims, A. P. T., Waters, N. E., Birnie, D. J. and Pethybridge, R. J.
A comparison of the forces required to produce tooth movement *in vitro* using two self-ligating brackets and a pre-adjusted bracket employing two types of ligation 377
Sims, M. R. see Parlange, L. M.
Solow, B., Ovesen, J., Würtzen Nielsen, P., Wildschiødtz, G. and Tallgren, A.
Head posture in obstructed sleep apnoea 107
Spyropoulos, M. N.
Problems in setting up a postgraduate orthodontic programme 161
Stenvik, A. see Espeland, L. V.
Stephens, C. D. see Swessi, D. M.
Swessi, D. M. and Stephens, C. D.
The spontaneous effects of lower first premolar extraction on the mesio-distal angulation of adjacent teeth and the relationship of this to extraction space closure in the long term 503

Takada, K., Petdachai, S. and Sakuda, M.
Changes in dentofacial morphology in skeletal Class III children treated by a modified maxillary protraction headgear and a chin cup: a longitudinal cephalometric appraisal 211
Tallgren, A. see Solow, B.
Tanaka, E. see Tanne, K.
Tanne, K., Lu, Y. C-L., Tanaka, E. and Sakuda, M.
Biomechanical changes of the mandible from orthopaedic chin cup force studied in a three-dimensional finite element model 527
Thilander, B. see Lindskog-Stokland, B.
Toutountzakis, N. M. see Haralabakis, N. B.
Townsend, G. C. see Brown, T.

Uzel, I. see Iseri, H.

Vijande, M. see Cobo, J.

Waters, N. E. see Moore, J. C.; Sims, A. P. T.
Wennström, J. L. see Lindskog-Stokland, B.
Wenzel, A. see Macri, V.
Wildschiødtz, G. see Solow, B.
Winzler, J. see Braun, S.
Würtzen Nielsen, P. see Solow, B.

Yaffe, A. see Ben-Bassat, Y.
Yiagtzis, S. Ch. see Haralabakis, N. B.

Zimmer, B.
Correlations between the loss of acoustic TMJ symptoms and alterations in mandibular mobility after surgical mandibular advancement 229

European Journal of Orthodontics 15 (1993) 557–572

© 1993 European Orthodontic Society

European Journal of Orthodontics

Volume 15 (1993) Subject entries

Abstract Section — page numbers are given first followed by the abstract number in parentheses.

Abnormal cartilage structure
... in the mandibular condyle and the clavicle of transgenic mice 459 (97)
Acrocephalosyndactylies
Middle cranial fossa malformation in ... 436 (5)
Acromegaly
Surgical orthodontic treatment in a case with ... 461 (106)
Activator
A modified ... may be used for treatment of the obstructive sleep apnoea syndrome 341 (34)
Activator treatment
... and TMJ configuration studied by standardized tomograms 339 (26)
Adhesion
The ... of different glass ionomer cements to enamel 445 (41)
Adolescents
... concern for dental appearance in a medium sized Finnish community 342 (37)
Ageing changes
... in the periodontal ligament microvasculature 344 (46)
Agenesis of teeth
Is nervous tissue involved in ... 334 (8)
Airway adequacy
Cervical posture, ... and vertical craniofacial configuration 455 (82)
Airway maintenance
Cranio-cervical posture and ... in obstructive sleep apnoea 344 (47)
Alveolar arches
The relationship of the size and location of ... (Alveolar Arch Index) as a diagnostic criterion 460 (101)
Alveolar blood flow
Long-term investigation of ... during tooth movement with scintigraphy in the dog 337 (18)
Anencephaly
Holoprosencephaly and ... 339 (28)
Anodontia
Rare cases of ... of permanent dentition 465 (122)
Aplasia
... of mandibular second premolars, spontaneous space closure following extractions 452 (70)
Apnoea
Cranio-cervical posture and airway maintenance in obstructive sleep ... 344 (47)
Obstructive sleep ... 341 (33)
Apnoeas
Prospective study of dentition and nocturnal respiration in young children after treatment of obstructive sleep ... 345 (49)
Arch dimensions
Effect of extraction and non-extraction treatment on ... 461 (105)
Arch wires
Frictional forces between ceramic brackets and ... 447 (50)
Autorotation
... of the mandible due to first molar extraction 450 (62)
Autotransplanted premolars
Pulp healing in ... in orthodontic treatments 456 (87)
Awareness
... survey in dental students and faculty concerning CLP management 449 (59)

Basally extended maxillary sinus
Histological conditions in case of ... 464 (116)
Begg approach
Comparison of treatment with Edgewise and ... 456 (86)
Bioblock technique
The application of ... in Class II division 1 anomalies 441 (27)
Biocompatibility
... of orthodontic rare earth magnets 437 (12)
Biomaterial
Comparison of the effectiveness of otogenic bone graft material and a ... to obtain tooth movement in the bone defects 443 (34)
Bond-strength
... of metal brackets with new macro- and micro-base retention design 459 (99)
... of two fluoride-releasing, visible light-activated bonding systems 442 (30)
Bonding
White spot reduction when using glass ionomer cement for ... in orthodontics 453 (71)
Bonding resins
In vitro fluoride release from three light-cured orthodontic ... 465 (119)
Bonding systems
Bond strength of two fluoride-releasing, visible light-activated ... 442 (30)
Bone defects
Comparison of the effectiveness of otogenic bone graft material and a biomaterial to obtain tooth movement in the ... 443 (34)
Bone healing
Effects of static and pulsed electromagnetic fields on orthodontic tooth movement and ... 335 (9)
Bone metabolism
Effect of soft laser on rat's ... 446 (47)
Bone response
... in surgically assisted rapid orthodontic lengthening of the maxilla 333 (3)
Bracket adhesive
Thermic influence on glass ionomer cement used as ... 444 (40)
Bracket design
Torque properties of a new plastic ... 448 (53)
Brackets
Bond strength of metal ... with new macro- and micro-base retention design 459 (99)
Bradykinin
Interactions between cytokines, ... and thrombin in prostaglandin

biosynthesis in human PDL cells 458 (94)
Breathing
Increased horizontal mandibular position and growth after changed mode of ... 443 (33)

Candida *species*
The effect of fixed orthodontic appliances on the oral carriage of ... in adolescents 459 (98)
Candidiasis
Oral cavity ... in orthodontically treated children 457 (90)
Cephalometric analyses
Normal standards for various ... of a Japanese population 454 (78)
Cephalometric appraisal
Middle cranial fossa malformation in acrocephalosyndactylies: a ... 436 (5)
Cephalometric description
Quantitative ... of the shape of the mandible 449 (57)
Cephalometric evaluation
... of the RPE added sagittal maxillary protraction procedure 443 (35)
Cephalometric measurements
An analytical investigation into certain ... 450 (63)
Cephalometric research
A skull-holding device for experimental ... 439 (20)
Cephalometric standards
Longitudinal ... for 6–18 year old Norwegians 436 (7)
Ceramic brackets
Frictional forces between ... and arch wires 447 (50)
Cervical posture
..., airway adequacy and vertical craniofacial configuration 455 (82)
Cheek pressure
Changes in ... following rapid maxillary expansion 337 (17)
Chelioplasty
The effect of early ... on the maxilla in infants with unilateral cleft lip and palate 441 (28)
Chernoff faces
... 436 (8)
Chromium
In vitro release of ... from orthodontic appliances 339 (27)
Class I malocclusion subtypes
... by cluster analysis 443 (35)
Class II bionator treatment
The effectiveness of ... 444 (38)
Class II development
Longitudinal assessment of ... in the deciduous dentition 345 (51)
Class II division 1 anomalies
The application of bioblock technique in ... 441 (27)
Class II division 1 cases
Treatment of ... with the Herbst appliance 461 (104)
Class II malocclusion
Mandibular incisor mucogingival status and early intervention for ... 448 (55)
Class II/1 malocclusions
Dental and skeletal effects of the MAD II appliance in the correction of ... 338 (22)
Class III patients
Modified Tweed mechanics stability in dento-skeletal ... 437 (9)
Orthognathic surgical approach in the treatment of skeletal ... 442 (29)
Classification
... of orthodontically treated patients with different malocclusions by graph-theory 444 (39)
Clavicle
Abnormal cartilage structure in the ... in transgenic mice 459 (97)
Cleft lip and palate
Craniofacial growth in combined ... 341 (35)
Dental abnormalities in patients with unilateral ... 440 (22)
Palatal width and registration of malocclusion in unilateral ... subjects 463 (114)
The effect of early chelioplasty on the maxilla in infants with unilateral ... 441 (28)
Tongue position in ... patients 333 (1)
Transverse, vertical and sagittal components of facial asymmetry in unilateral ... patients 343 (40)
Cleft lip and palate management
Awareness survey in dental students and faculty concerning ... 449 (59)
Cleft lip and palate patients
Examination of head posture and head position in ... 459 (96)
Cleft palate
Surgical backward repositioning of the premaxilla in children with bilateral ... and the effects on growth 455 (81)
Cleft palate patients
Hypodontia and other dental abnormalities in isolated ... 451 (64)
Clinical examination
Comparison of patient data obtained by questionnaires and ... 464 (117)
Cluster analysis
Case I malocclusion subtypes by ... 443 (36)
Coil springs
Physical properties of superelastic alloy ... 439 (17)
Coliforms
The effect of fixed orthodontic appliances on the oral carriage of ... in adolescents 459 (98)
Combined headgear
The effect of ... to the unerupted maxillary second molars 435 (2)
Computer
An instrument for model analysis using a ... 438 (13)
Computer-assisted data processing
Roentgen cephalogram image and ... 452 (71)
Computertomographic volume registration
... of jaw and tongue muscles in consideration of relationship between function of muscles and skeletal configuration 442 (31)
Condylar anatomy
Identification of ... affects the evaluation of mandibular growth 445 (44)
Condylar fractures
Disc position in ... and importance for functional therapy 439 (17)
Condylar growth
Distal displacement of the glenoid fossa and ... 338 (24)
Condylar height
Measurements of ... in the panoramic radiograph 449 (56)
Condyle
Effect of altered loading on the shape of the ... in the rat 462 (108)
Connective tissue disorders
Orthodontic and dental complications of inherited ... 449 (58)

Continuous eruption
... of maxillary incisors and molars in girls, studied by the implant method 338 (21)
Cranial base
Posterior ... and sagittal jaw relationship 448 (52)
Cranial base angulation
... related to skeletal maturation in human foetuses 462 (110)
Cranio-cervical posture
... and airway maintenance in obstructive sleep apnoea 344 (47)
Craniofacial configuration
Cervical posture, airway adequacy and vertical ... 455 (82)
Craniofacial diagnosis
3D CT-imaging for ... of facial asymmetries 337 (19)
Craniofacial features
... in lack or excess of growth hormone 342 (38)
Craniofacial growth
... in combined cleft lip and palate 341 (35)
Craniofacial skeletal development
Holoprosencephaly and anencephaly: keys to understanding ... 339 (28)
Craniomandibular function
Short-term and long-term ... following orthognathic surgery 435 (4)
Craniomandibular joint
Distribution of oxytalan, elaunin and elastic fibres in rabbit ... 441 (25)
Craniometric measurements
An analytical investigation into certain ... 450 (63)
Cross-bite
The correction of unilateral ... of the first molars with a transpalatal arch 337 (20)
CT-imaging
3D ... for craniofacial diagnosis of facial asymmetries 337 (19)
CT-scanning
Herbst treatment in late puberty. ... of TMJ 457 (88)
Cytokines
Interactions between ... bradykinin and thrombin in prostaglandin biosynthesis in human PDL cells 458 (94)

Data processing
Roentgen cephalogram image and computer-assisted ... 452 (71)
Debonding-force
... and its effect on tooth deformation 454 (79)
Deciduous dentition
Longitudinal assessment of Class II occlusal and skeletal development in the ... 345 (51)
Dental abnormalities
Hypondontia and other ... in isolated cleft palate patients 451 (64)
... in patients with unilateral cleft lip and palate 440 (22)
Dental appearance
Adolescents' concern for ... in a medium sized Finnish community 342 (37)
Dental Arch Index
The value of ... related to tooth size and facial breadth 344 (45)
Dental complications
... of inherited connective tissue disorders 449 (58)
Dental effects
... of the MAD II appliance in the correction of Class II/1 malocclusions 338 (22)
Dental health behaviour
The influence of juvenile orthodontic treatment on adult ... 444 (37)
Dentition
Nasal allergy: characteristics of ... and morphology in Egyptian children 454 (77)
Prospective study of ... and nocturnal respiration in young children after treatment of obstructive sleep apnoeas 345 (49)
Dento-alveolar process
Occlusal strain effect on ... in the growing rat 438 (16)
Dentoalveolar sinus relation
Radiological interpretation of the ... 445 (43)
Dentofacial changes
... of gingival recession in children 460 (102)
Dentofacial morphology
... in children in singing classes 438 (15)
Diet
Short-term effects of low-energy ... on rat skull growth 461 (103)
Disc position
... in condylar fractures and importance for functional therapy 439 (17)
Direct-bonded labial retainers
Clinical experience with ... 333 (4)
Distal displacement
... of the glenoid fossa and condylar growth 338 (24)
Down's syndrome
Incidence of malocclusions in subjects with ... 458 (93)
Soft tissues in ... 456 (85)
Dysgenesis gonadorum
Necessity of orthodontic treatment of girls with ... 458 (92)

Edgewise approach
Comparison of treatment results with Begg and ... 456 (86)
Elastic fibres
Distribution of ... in rabbit craniomandibular joint 441 (25)
Elaunin
Distribution of ... in rabbit craniomandibular joint 441 (25)
Electromagnetic articulography
Influence of spikes on tongue movement detected by ... 460 (100)
Enamel
The adhesion of different glass ionomer cements to ... 445 (41)
Epidemiological survey
An ... using TPI Index 462 (109)
Expansion
The effects of rapid ... on palatal dimensions 462 (107)
Extractions
Aplasia of mandibular second premolars, spontaneous space closure following ... 452 (70)
Effect of ... on arch dimensions 461 (105)

Face mask
Early treatment of a retrognathic maxilla with a ... 435 (1)
Facial appearance
Improvement of ... after orthodontic treatment 340 (31)
Facial asymmetries
3D CT-imaging for craniofacial diagnosis of 337 (19)
Facial asymmetry
Transverse, vertical and sagittal components of ... in UCLP patients 343 (40)
Facial breadth
The value of a dental arch index related to tooth size and ... 344 (45)

Facial morphology
... size and activity of the masseter muscle 343 (41)
Facial profile changes
... during and after Herbst appliance treatment 456 (84)
Fibroblast proliferation
Effect of magnet corrosion products on oral ... 335 (12)
Fibroblasts
In vitro protein-synthesis of ... dependent on donor age 439 (19)
Finite elements
Simulation of initial orthopaedic displacement by means of ... 463 (112)
Fixed orthodontic appliances
Effects of monthly scaling in children with ... 437 (11)
The effect of ... on the oral carriage of *Candida* species and coliforms in adolescents 459 (98)
Fluoride release
In vitro ... from three light-cured orthodontic bonding resins 465 (119)
Foetuses
Cranial base angulation related to skeletal maturation in human ... 462 (110)
Force
The correlation between the initial orthopaedic displacement of the maxilla and longitudinal changes after ... 441 (26)
Force magnitude
Relation between ... and orthodontic tooth displacement 452 (69)
Frankfort horizontal
The ... compared with the S–N line in natural head position and orientation 452 (68)
Frictional forces
... between ceramic brackets and arch wires 447 (50)
Material properties and ... for a glass-fibre reinforced plastic bracket 453 (75)
Function regulator
Orofacial orthopaedics with the ... as health care 336 (14)
Functional influence
... on sutural growth in rat 339 (25)
Functional therapy
Disc position in condylar fractures and importance for ... 439 (17)
Gingival collagen
Ultrastructural study of ... following orthodontic rotation in dogs 458 (95)
Gingival recession
Dentofacial changes and spontaneous reversal of ... in children 460 (102)
Glass-fibre reinforced plastic bracket
Material properties and friction forces for a ... 453 (75)
Glass ionomer cements
The adhesion of different ... to enamel 445 (41)
Thermic influence on ... used as bracket adhesive 444 (40)
White spot reduction when using ... for bonding in orthodontics 453 (72)
Glenoid fossa
Distal displacement of the ... and condylar growth 338 (24)
Unilateral masticatory function and the shape of the ... 457 (91)
Graph-theory
Classification of orthodontically treated patients with different malocclusions by ... 444 (39)
Growth hormone
Craniofacial features in lack or excess of ... 342 (38)

Handicapped children
Orthodontics for ... 334 (5)
Handicapped patients
Orthodontics as a health service for ... 345 (48)
Head position
Examination of ... in CLP patients 459 (96)
Head position and orientation
The Frankfort horizontal compared with the S–N line in natural ... 452 (68)
Head posture
Examination of ... in CLP patients 459 (96)
Hearing loss
Rapid maxillary expansion and conductive ... 447 (49)
Herbst appliance
Treatment of Class II division 1 cases with the ... 461 (104)
Herbst appliance treatment
Facial profile changes during and after ... 456 (84)
Herbst treatment
... in late puberty 457 (88)
The frequency of significant sagittal dental and skeletal changes during ... 464 (115)
Holoprosencephaly
... and anencephaly 339 (28)
Hyoid bone position
Pharyngeal space and ... in siblings 446 (45)
Hypodontia
... and other dental abnormalities in isolated cleft palate patients 451 (64)

Immunohistochemical identification
... of cells of the mononuclear phagocyte lineage in the periodontium during orthodontic tooth movement in the rat 447 (51)
Implant method
Continuous eruption of maxillary incisors and molars in girls, studied by the ... 338 (21)
Craniofacial growth in combined cleft lip and palate. A longitudinal roentgencephalometric study of the ... 341 (35)
Indices
Assessment of orthodontic treatment and post retention changes using ... 436 (6)
Integumental profilie
The ... 450 (61)
Intra-oral molar distalization techniques
NiTi coil springs and repelling magnets. A comparison of two different ... 335 (11)
Irritation
... of materials used in orthodontics 343 (43)

Jaw
High resolution computed tomography of the toothed ... 445 (42)
Jaw muscles
Computertomographic volume registration of ... in consideration of relationship between function of muscles and skeletal configuration 442 (31)
Juvenile orthodontic treatment
The influence of ... on adult dental health behaviour 444 (37)

Light-cured orthodontic bonding resins
In vitro fluoride release from three ... 465 (119)

Loading
Effect of altered ... on the shape of the condyle in the rat 462 (108)
Longitudinal assessment
... of Class II occlusal and skeletal development in the deciduous dentition 345 (51)
Longitudinal changes
The correlation between the initial orthopaedic displacement of the maxilla and ... after force 441 (26)
Lower incisor proclination
Long-term stability of ... 440 (23)

Magnet corrosion products
Effect of ... on oral fibroblast proliferation 335 (12)
Magnet twin blocks
A three-dimensional study of treatment with ... 342 (36)
Magnetic Activator Device II
Dental and skeletal effects of the ... appliance in the correction of Class II/1 malocclusions 338 (22)
Magnetic resonance imaging
... of the masseter muscle in twins 340 (32)
Magnets
Biocompatibility of orthodontic rare earth ... 437 (12)
Description of transverse force vectors from repelling permanent ... *in vitro* 448 (54)
Malocclusions
Classification of orthodontically treated patients with different ... by graph-theory 444 (39)
Incidence of ... in subjects with Down's syndrome 458 (93)
Orofacial dysfunctions and ... in 9–10 year old children 455 (83)
Palatal width and registration of ... in UCLP-subjects 463 (114)
Mandible
Autorotation of the ... due to first molar extraction 450 (62)
Quantitative cephalometric description of the shape of the ... 449 (57)
Mandibular arch
Occlusal discrepancies and long-term stability of the ... 346 (53)
Mandibular condyle
Abnormal cartilage structure in the ... of transgenic mice 459 (97)
Mandibular condyle morphology
Tomographic evaluation of ... in orthognathic surgery patients 435 (3)
Mandibular growth
Identification of condylar anatomy affects the evaluation of ... 445 (44)
Mandibular incisor mucogingival status
... and early intervention for Class II malocclusion 448 (55)
Mandibular plane/Frankfort horizontal plane angle
Follow-up of premature loss of space in relation to ... 442 (32)
Mandibular position and growth
Increased horizontal ... and growth after changed mode of breathing 443 (33)
Mandibular second premolars
Aplasia of ... spontaneous space closure following extractions 452 (70)
Masseter muscle
Facial morphology, size and activity of the ... 343 (41)
Magnetic resonance imaging of the ... in twins 340 (32)
... thickness measured by ultrasonography, comparison with MRI-measurements 342 (39)
Masticatory function
Unilateral ... and the shape of the glenoid fossa 457 (91)
Material properties
... and friction forces for a glass-fibre reinforced plastic bracket 453 (75)
Maxilla
Bone response in surgically assisted rapid orthodontic lengthening of the ... 333 (3)
The correlation between the initial orthopaedic displacement of the ... and longitudinal changes after force 441 (26)
The effect of early chelioplasty on the ... in infants with unilateral cleft lip and palate 441 (28)
Maxillary expansion
Changes in cheek pressure following rapid ... 337 (17)
Rapid ... and conductive hearing loss 447 (49)
Maxillary incisors
Continuous eruption of ... and molars in girls, studied by the implant method 338 (21)
Maxillary molar distalization
Repelling magnets versus superelastic NiTi-coils in ... 334 (6)
Maxillary second molars
The effect of combined headgear to the unerupted ... 435 (2)
Maxillary sinus
Histological conditions in case of basally extended ... 464 (116)
Maxillofacial morphology
A study of ... in nasopharyngeal obstructed patients 465 (121)
Maxillo-facial structural anomalies
Radiological axonometric projection for the ... study 437 (10)
Middle cranial fossa malformation
... in acrocephalosyndactylies 436 (5)
Midpalatal suture
Remineralization of the ... subsequent to palatal expansion treatment 463 (111)
Model analyses
Normal standards for various ... of a Japanese population 454 (78)
Model analysis
An instrument for ... using a computer 438 (13)
Molar distalization
Repelling magnets versus superelastic NiTi-coils in maxillary ... 334 (6)
Molar distalization techniques
NiTi coils springs and repelling magnets. A comparison of two different intraoral ... 335 (11)
Molar extraction
Autorotation of the mandible due to first ... 450 (62)
Molar intrusion
Skeletal anterior open bite and true ... in non-growing patients 451 (67)
Molars
Continuous eruption of maxillary incisors and ... in girls, studied by the implant method 338 (21)
The correction of unilateral cross-bite of the first ... with a transpalatal arch 337 (20)
The effect of combined headgear to the unerupted maxillary second ... 435 (2)
Mononuclear phagocyte lineage
Immunohistochemical identification of cells of the ... in the periodontium during orthodontic tooth movement in the rat 447 (51)
Morphology
Nasal allergy: characteristics of dentition and ... in Egyptian children 454 (77)

MRI-measurements
Masseter muscle thickness measured by ultrasonography, comparison with ... 342 (39)
Muscle function
Computertomographic volume registration of jaw and tongue muscles in consideration of relationship between ... and skeletal configuration 442 (31)
Mutagenicity
... of materials used in orthodontics 343 (43)

Nance appliance
Histological evaluation of effect of ... on palatal mucosa 345 (50)
Nasal allergy
... characteristics of dentition and morphology in Egyptian children 454 (77)
Nasopharyngeal obstructed patients
A study of maxillofacial morphology in ... 465 (121)
Nervous tissue
Is ... involved in agenesis of teeth 334 (8)
Neuropeptides
Expression of ... during and after orthodontic tooth movement 455 (80)
New wire qualities
Root resorption and ... 343 (42)
Nickel
In vitro release of ... from orthodontic appliances 339 (27)
Nickel hypersensitivity reactions
... in orthodontic patients 336 (16)
NiTi coil springs
... and repelling magnets 335 (11)
NiTi orthodontic wires
In vivo corrosion of ... 451 (65)
Nocturnal respiration
Prospective study of dentition and ... in young children after treatment of obstructive sleep apnoeas 345 (49)
Non-extraction treatment
Effect of ... on arch dimensions 461 (105)
Non-magnet twin blocks
A three-dimensional study of treatment with ... 342 (36)

Obstructive sleep apnoea
... 341 (33)
Cranio-cervical posture and airway maintenance in ... 344 (47)
Obstructive sleep apnoea syndrome
A modified activator may be used for treatment of the ... 341 (34)
Obstructive sleep apnoeas
Prospective study of dentition and nocturnal respiration in young children after treatment of ... 345 (49)
Occlusal development
Longitudinal assessment of Class II ... in the deciduous dentition 345 (51)
Occlusal discrepancies
... and long-term stability of the mandibular arch 346 (53)
Occlusal strain effect
... on dento-alveolar process in the growing rat 438 (16)
Open bite
Skeletal anterior ... and true molar intrusion in non-growing patients 451 (67)
Oral cavity candidiasis
... in orthodontically treated children 457 (90)
Oral fibroblast proliferation
Effect of magnet corrosion products on ... 335 (12)
Oral functions
Changes in ... before and after surgical-orthodontic treatment 465 (120)
Oral tact
... in infants and children 440 (24)
Orofacial dysfunctions
... and malocclusions in 9–10 year old children 455 (83)
Orofacial orthopaedics
... with the function regulator as health care 336 (14)
Orthodontic appliances
In vitro release of nickel and chromium from ... 339 (27)
Orthodontic brackets
The effects of titanium tetrafluoride application around ... 334 (7)
Orthodontic complications
... of inherited connective tissue disorders 449 (58)
Orthodontic lengthening
Bone response in surgically assisted rapid ... of the maxilla 333 (3)
Orthodontic load
Long-term ... to titanium implants 346 (52)
Orthodontic patients
Nickel hypersensitivity reactions in ... 336 (16)
Orthodontic polycarbonate brackets
In vitro torque deformation characteristics of ... 336 (13)
Orthodontic rotation
Ultrastructural study of gingival collagen following ... in dogs 458 (95)
Orthodontic tooth movement
Effects of static and pulsed electromagnetic fields on ... and bone healing 335 (9)
Immunohistochemical identification of cells of the mononuclear phagocyte lineage in the periodontium during ... in the rat 447 (51)
Orthodontic treatment
Assessment of ... and post retention changes using indices 436 (6)
Improvement of facial appearance after ... 340 (31)
Long-term effect of ... on periodontal conditions 338 (23)
Necessity of ... of girls with dysgenesis gonadorum 458 (92)
Prediction of outcome of 340 (28)
Properties of super-elastic wires and their relevance to ... 344 (44)
Pulp healing of immature autotransplanted premolars in ... 456 (87)
Orthodontic treatment need
... and demand for 12 year-old Chinese children in Hong Kong 451 (66)
Methods of assessing ... 454 (76)
Orthodontic treatment results
Evaluation of ... 447 (48)
Orthodontically treated patients
Classification of ... with different malocclusions by graph-theory 444 (39)
Orthodontics
... as a health service for handicapped patients 345 (48)
... for the handicapped child 334 (5)
Orthopaedics in ... 335 (10)
Toxicity, irritation and mutagenicity of materials used in ... 343 (43)
Orthognathic surgery
Short-term and long-term craniomandibular function following ... 435 (4)
Orthognathic surgery patients
Tomographic evaluation of mandibular condyle morphology in ... 435 (3)

Orthognathic surgical approach
... in the treatment of skeletal Class III patients 442 (29)
Orthopaedic displacement
Simulation of initial ... by means of finite elements 463 (112)
The correlation between the initial ... of the maxilla and longitudinal changes after force 441 (26)
Orthopaedics
... in orthodontics 335 (10)
Orthopaedic treatment
Long-term effect of ... on periodontal conditions 338 (23)
Otogenic bone graft material
Comparison of the effectiveness of ... and a biomaterial to obtain tooth movement in the bone defects 443 (34)
Oxytalan
Distribution of ... in rabbit craniomandibular joint 441 (25)

Palatal dimensions
The effects of rapid expansion on ... 462 (107)
Palatal expansion treatment
Remineralization of the midpalatal suture subsequent to ... 463 (111)
Palatal mucosa
Histological evaluation of effect of Nance appliance on ... 345 (50)
Palatal width
... of malocclusion in UCLP-subjects 463 (114)
Patient data
Comparison of ... obtained by questionnaires and clinical examination 464 (117)
Periodontal conditions
Long-term effect of orthodontic and orthopaedic treatment on ... 338 (23)
Periodontal ligament cells
Interactions between cytokines, bradykinin and thrombin on prostaglandin biosynthesis in human ... 458 (94)
Thrombin induced prostaglandin E^2 biosynthesis is inhibited by 17 β-estradiol in human ... 453 (73)
Periodontal ligament microvasculature
Ageing changes in the ... 344 (46)
Periodontium
Immunohistochemical identification of cells of the mononuclear phagocyte lineage in the ... during orthodontic tooth movement in the rat 447 (51)
Permanent dentition
Rare cases of anodontia of ... 465 (122)
Pharyngeal space
... and hyoid bone position in siblings 446 (45)
Polycarbonate brackets
In vitro torque deformation characteristics of orthodontis ... 336 (13)
Polycarboxylate bracket
Shear bond strength of a new ... 333 (2)
Post retention changes
Assessment of orthodontic treatment and ... using indices 436 (6)
Potential iatrogenic orthodontic response ... 336 (15)
Premature loss of space
Follow-up of ... in relation to MP/FH angle 442 (32)
Premaxilla
Surgical backward repositioning of the ... in children with bilateral cleft palate and the effects on growth 455 (81)
Premolars
Aplasia of mandibular second ... spontaneous space closure following extractions 452 (70)
Pulp healing of immature autotransplanted ... in orthodontic treatments 456 (87)
Pressure-measuring apparatus
Experimental study on tooth movement employing a ... 440 (21)
Prostaglandin biosynthesis
Interactions between cytokines, bradykinin and thrombin on ... in human PDL cells 458 (94)
Prostaglandin E_2 biosynthesis
Thrombin induced ... is inhibited by 17 β-estradiol in human periodontal ligament cells 453 (73)
Protein-synthesis
In vitro ... of fibroblasts dependent on donor age 439 (19)
Puberty
Herbst treatment in ... 457 (88)
Pulp healing
... of immature autotransplanted premolars in orthodontic treatments 456 (87)
Pulsed electromagnetic fields
Effects of ... on orthodontic tooth movement and bone healing 335 (9)
Questionnaires
Comparison of patient data obtained by ... and clinical examination 464 (117)

Radiograph
Measurements of condylar height in the panoramic ... 449 (56)
Radiographic analysis
Herbst treatment in late puberty. ... of TMJ 457 (88)
Radiological axonometric projection
... for the maxillo-facial structural anomalies study 437 (10)
Radiological interpretation
... of the dentoalveolar sinus relation 445 (43)
Radiological trabecular orientation
The ability to measure ... 340 (30)
Rare earth magnets
Biocompatibility of orthodontic ... 437 (12)
Registration
... of malocclusion in UCLP-subjects 463 (114)
Remineralization
... of the midpalatal suture subsequent to palatal expansion treatment 463 (111)
Repelling magnets
NiTi coils springs and ... 335 (11)
... versus superelastic NiTi-coils in maxillary molar distalization 334 (6)
Repelling permanent magnets
Description of transverse force vectors from ... *in vitro* 448 (54)
Retention design
Bond strengths of metal brackets with new macro- and micro-base ... 459 (99)
Retrognathic maxilla
Early treatment of a ... with a face mask 435 (1)
Reversal
Spontaneous ... of gingival recession in children 460 (102)
Roentgen cephalogram image
... and computer-assisted data processing 452 (71)
Roentgencephalometric study
Craniofacial growth in combined cleft lip and palate. A longitudinal ... by the implant method 341 (35)
Root resorption
... and new wire qualities 343 (42)

RPE added sagittal maxillary protraction procedure
Cephalometric evaluation of the ... 443 (35)

Sagittal components
... of facial asymmetry in UCLP patients 343 (40)
Sagittal dental and skeletal changes
The frequency of significant ... during Herbst treatment 464 (115)
Sagittal jaw relationship
Posterior cranial base and ... 448 (52)
Scaling
Effects of monthly ... in children with fixed orthodontic appliances 437 (11)
Scintigraphy
Long-term investigation of alveolar blood flow during tooth movement with ... in the dog 337 (18)
Sella-nasion line
The Frankfort horizontal compared with the ... in natural head position and orientation 452 (68)
17 β-estradiol
Thrombin induced prostaglandin E_2 biosynthesis is inhibited by ... in human periodontal ligament cells 453 (73)
Shear bond strength
... of a new polycarboxylate bracket 333 (2)
Skeletal anterior open bite
... and true molar intrusion in non-growing patients 451 (67)
Skeletal Class III patients
Orthognathic surgical approach in the treatment of ... 442 (29)
Skeletal configuration
Computertomographic volume registration of jaw and tongue muscles in consideration of relationship between function of muscles and ... 442 (31)
The integumental profile: a reflection of the underlying ... 450 (61)
Skeletal development
Longitudinal assessment of Class II ... in the deciduous dentition 345 (51)
Skeletal effects
... of the MAD II appliance in the correction of Class II/1 malocclusions 338 (22)
Skeletal maturation
Cranial base angulation related to ... in human foetuses 462 (110)
Skull growth
Short term effects of low-energy diet on rat ... 461 (103)
Skull-holding device
A ... for experimental cephalometric research 439 (20)
Soft laser
Effect of ... on rat's bone metabolism 446 (47)
Soft tissues
... in Down's syndrome 456 (85)
Space closure
Aplasia of mandibular second premolars, spontaneous ... following extractions 152 (70)
Specialist orthodontics
... for financially and geographically disadvantaged communities 446 (46)
Spikes
Influence of ... on tongue movement detected by electromagnetic articulography 460 (100)
Stability
Long-term ... of lower incisor proclination 440 (23)
Occlusal discrepancies and long-term ... of the mandibular arch 346 (53)
Stainless steel orthodontic wires
In vivo surface corrosion of ... 451 (65)
Static electromagnetic fields
Effects of ... on orthodontic tooth movement and bone healing 335 (9)
Static occlusion
Significance of ... for disorders of the TMJ 450 (60)
Super-elastic alloy coil springs
Physical properties of ... 439 (17)
Super-elastic NiTi-coils
Repelling magnets versus ... in maxillary molar distalization 334 (6)
Super-elastic wires
Properties of ... and their relevance to orthodontic treatment 344 (44)
The reaction of transformation of ... 464 (118)
Surface corrosion
In vivo ... of NiTi, TMA and stainless steel orthodontic wires 451 (65)
Surgical backward repositioning
... of the premaxilla in children with bilateral cleft palate and the effects on growth 455 (81)
Surgical-orthodontic treatment
Changes in oral functions before and after ... 465 (120)
... in a case with acromegaly 461 (106)
... of TMJ ankylosis in childhood 457 (89)
Sutural growth
Functional influence on ... in rat 339 (25)

Taste
... in infants and children 440 (24)
Temporomandibular joint
Significance of static occlusion for disorders of the ... 450 (60)
Temporomandibular joint ankylosis
Surgical-orthodontic treatment of 457 (89)
Temporomandibular joint configuration
Activator treatment and ... studied by standardized tomograms 339 (26)
Temporomandibular joints
Herbst treatment in late puberty. CT-scanning and radiographic analysis of ... 457 (88)
Thermic influence
... on glass ionomer cement used as bracket adhesive 444 (40)
Three-dimensional CT-imaging
... for craniofacial diagnosis of facial asymmetries 337 (19)
Thrombin
Interactions between cytokines, bradykinin and ... on prostaglandin biosynthesis in human PDL cells 458 (94)
Thrombin induced prostaglandin E_2 biosynthesis
... is inhibited by 17 β-estradiol in human periodontal ligament cells 453 (73)
TPI Index
An epidemiological survey using ... 462 (109)
Titanium implants
Long-term orthodontic load to ... 346 (52)
Titanium tetrafluoride
The effect of ... application around orthodontic brackets 334 (7)
TMA wires
In vivo surface corrosion of ... 451 (65)
Tomograms
Activator treatment and TMJ configuration studied by standardized ... 339 (26)

Tomographic evaluation
... of mandibular condyle morphology in orthognathic surgery patients 435 (3)
Tomography
High resolution computed ... of the toothed jaw 445 (42)
Tongue movement
Influence of spikes on ... detected by electromagnetic articulography 460 (100)
Tongue muscles
Computertomographic volume registration of ... in consideration of relationship between function of muscles and skeletal configuration 442 (31)
Tongue position
... in cleft lip and palate patients 333 (1)
Tooth crown
... size and morphology in Turner syndrome 453 (73)
Tooth deformation
Debonding-force and its effect on ... 454 (79)
Tooth displacement
Relation between force magnitude and ... 452 (69)
Tooth movement
Comparison of the effectiveness of otogenic bone graft material and a biomaterial to obtain ... in the bone defects 443 (34)
Experimental study on ... employing a pressure-measuring apparatus 440 (21)
Expression of neuropeptides during and after orthodontic ... in rats 455 (80)
Long-term investigation of alveolar blood flow during ... with scintigraphy in the dog 337 (18)
Tooth size
The value of a dental arch index related to ... and facial breadth 344 (45)
Torque deformation
In vitro ... characteristics of orthodontic polycarbonate brackets 336 (13)
Torque properties
... of a new plastic bracket design 448 (53)
Toxicity
... of materials used in orthodontics 343 (43)
Trabecular orientation
The ability to measure radiological ... 340 (30)
Transgenic mice
Abnormal cartilage structure in the mandibular condyle and the clavicle of ... 459 (97)
Transpalatal arch
The correction of unilateral cross-bite of the first molars with a ... 337 (20)
Transverse components
... of facial asymmetry in UCLP patients 343 (40)
Transverse force vectors
Description of ... from repelling permanent magnets *in vitro* 448 (54)
Treatment outcome
Unilateral cleft and palate: a six-centre international study of ... 438 (14)
Turner syndrome
Tooth crown size and morphology in ... 453 (73)
Tweed mechanics
Modified ... stability in dento-skeletal Class III patients 437 (9)
Twins
Magnetic resonance imaging of the masseter muscle in ... 340 (32)

Ultrasonography
Masseter muscle thickness measured by ... comparison with MRI-measurements 342 (39)
Unilateral cleft lip and palate
...: a six-centre international study of treatment outcome 438 (14)
Dental abnormalities in patients with ... 440 (22)
Palatal width and registration of malocclusion in ... subjects 463 (114)
The effect of early chelioplasty on the maxilla in infants with ... 441 (28)
Transverse, vertical and sagittal components of facial asymmetry in ... patients 343 (40)
Unilateral condylar fracture
Longitudinal study of complete ... in a young subject 463 (113)
Unilateral cross-bite
The correction of ... of the first molars with a transpalatal arch 337 (20)

Vertical components
... of facial asymmetry in UCLP patients 343 (40)
Vertical craniofacial configuration
Cervical posture, airway adequacy and ... 455 (82)

White spot reduction
... when using glass ionomer cement for bonding in orthodontics 453 (72)

Author entries

Abrahamsson, A., Ömblus, J. and Malmgren, O.
Early treatment of a retrognathic maxilla with a face mask 435 (1)
Adamidis, I. P.
Tongue position in cleft lip and palate patients 333 (1)
Adriaens, P. A. see Bogaert, A.
Ågren, K. see Svanborg, E.
Ahlefeldt-Laurvig-Lehn, B. see Athanasiou, A. E.
Akin, N., Nergiz, I., Behlfelt, K. and Platzer, U.
Shear bond strength of a new polycarboxylate bracket 333 (2)
Akin, Y. see Doğan, S.
Aksoy, A. U., Telli, A. E., Saatci, P. and Karabulut, G.
The effect of combined headgear to the unerupted maxillary second molars 435 (2)
Aksoy, A. U. see Enacar, A.; Ugur, T.
Alanya, K. see Enacar, A.

Altuna, G., Walker, D. A. and Freeman, E.
Bone response in surgically assisted rapid orthodontic lengthening of the maxilla 333 (3)
Amano, M. see Suzuki, S.
Andlin-Sobocki, A. and Persson, M.
Dentofacial changes and spontaneous reversal of gingival recession in children 460 (102)
Andreasen, J. O. see Paulsen, H. U.
Anehus-Pancherz, M. see Pancherz, H.
Arends, J. see Büyükyilmaz, T.
Asher-M'Dade, C. see Brattström, V.; Vittrup, E.
Ates, S. I. see Erverdi, N.
Athanasiou, A. E. and Ahlefeldt-Laurvig-Lehn, B.
Short-term and long-term craniomandibular function following orthognathic surgery 435 (4)
Athanasiou, A. E. and Bosch, C.
Tomographic evaluation of mandibular condyle morphology in orthognathic surgery patients 435 (3)
Axelsson, S. and Zachrisson, B. U.
Clinical experience with direct-bonded labial retainers 333 (4)
Axelsson, S. see Brattström, V.; Vittrup, E.

Baccetti, T. see Bassarelli, V.
Bacher, M. see Ney, Th.
Bahrani, Z. see Milleding, A.
Bakke, M. see Paulsen, H. U.
Balestro, G. see Miotti, F. A.
Bantleon, H-P. see Ingervall, B.
Barenghi, A. see Mancini, E. G.
Barry, G. R. P. and Vasey, D. J.
Assessment of orthodontic treatment and post retention changes using indices 436 (6)
Bartsch, A. see Koch, R.
Bassarelli, V., Baccetti, T. and Franchi, L.
Middle cranial fossa malformation in acrocephalosyndactylies: a cephalometric appraisal 436 (5)
Batouti, A. E., Øgaard, B. and Bishara, S. E.
Longitudinal cephalometric standards for 6–18 year old Norwegians 436 (7)
Battagel, J. M.
Chernoff faces: an orthodontic application 436 (8)
Bauer, T. see Fischer-Brandies, H.
Becker, A.
Orthodontics for the handicapped child 334 (5)
Behlfelt, K. see Akin, N.
Beideman, R. W. see Ghafari, J.
Berg, R. see Katsaros, C.
Bernhold, M. see Bondemark, L.
Bertelé, G. P. and Fraccaroli, Z.
Modified Tweed mechanics stability in dento-skeletal Class III patients 437 (9)
Bertelé, G. P., Gotte, P. and Consolo, U.
Radiological axonometric projection for the maxillo-facial structural anomalies study 437 (10)
Biedizycka, E. see Piekarczyk, J.
Bishara, S. E. see Batouti, A. E.
Bitsanis, E. see Katsavrias, E.
Blix Werner, A., Stene, T. and Kvam, E.
Comparison of patient data obtained by questionnaires and clinical examination 464 (117)
Bogaert, A., De Smit, A., Wygaerts, I. and Adriaens, P. A.
Effects of monthly scaling in children with fixed orthodontic appliances 437 (11)
Bolzan, M. see Miotti, F. A.
Bondemark, L., Kurol, J. and Bernhold, M.
Repelling magnets versus superelastic NiTi-coils in maxillary molar distalization 334 (6)
Bondemark, L., Kurol, J. and Wennberg, A.
Biocompatibility of orthodontic rare earth magnets 437 (12)
Borbély, P.
An instrument for model analysis using a computer 438 (13)
Bordegari, D. see Mancini, E. G.
Bosch, C. see Athanasiou, A. E.
Boulouchou, O. see Eberhard, H.
Brattström, V., Asher-M'Dade, C., Axelsson, S., Dahl, E., McCance, A., McWilliam, J. S., Mölsted, K., Prahl-Andersen, B., Semb, G., Shaw, W. C. and The, R. P. S.
Unilateral cleft lip and palate: a six-centre international study of treatment outcome 438 (14)
Brattström, V. and Odenrick, L.
Dentofacial morphology in children in singing classes: a longitudinal study 438 (15)
Brattström, V. see Vittrup, E.
Bresin, A., Johansson, C. B. and Kiliaridis, S.
Occlusal strain effect on dento-alveolar process in the growing rat 438 (16)
Breunig, A., Jonas, I., Kappert, H. F., Reichle, R. and Rakosi, T.
Physical properties of superelastic alloy coil springs 439 (17)
Bruce, M. see Sergl, H. G.
Brudvik, P. see Rygh, P.
Bumann, A., Hoffmeister, B. and Schwarzer, C.
Disc position in condylar fractures and importance for functional therapy 439 (18)
Bumann, A. and Schwarzer, C.
In vitro protein-synthesis of fibroblasts dependent on donor age 439 (19)
Bumann, A. see Kopp, S.
Burger, E. H. see Korstjens, C. M.
Burgersdijk, R. C. W. see Haarsma, H. J.
Büyükyilmaz, T., Tangugsorn, V., Øgaard, B., Arends, J., Ruben, J. and Rølla, G.
The effect of titanium tetrafluoride (TiF_4) application around orthodontic brackets 334 (7)

Caltabiano, M. see Leonardi, R.
Carels, C. see Lauweryns, I.
Carlsson-Nordlander, B. see Svanborg, E.
Cataliotti, M. G. see Verzi, P.
Chan, C. K., Tng, T. H., Hägg, U. and Cooke, M. S.
A skull-holding device for experimental cephalometric research 439 (20)
Chang, C. S., Yamaguchi, H. and Sebata, M.
Experimental study on tooth movement employing a pressure-measuring apparatus 440 (21)
Cheng, X., Hellquist, R. and Jakobsson, O. P.
Dental abnormalities in patients with unilateral cleft lip and palate 440 (22)
Christensen, L. R. and Kjær, I.
Is nervous tissue involved in agenesis of teeth 334 (8)
Ciger, S. see Ugur, T.
Cocconi, R. see Mancini, E. G.
Consolo, U. see Bertelé, G. P.
Cooke, M. S. see Chan, C. K.
Cosic, S. see Langsch, B.

Cozzani, M., Rosa, M. and Cozzani, P.
Long-term stability of lower stability of lower incisor proclination (an update) 440 (23)
Cozzani, P. see Cozzani, M.

Dahan, J. S., Lelong, O. and Tillemans, F.
Taste and oral tact in infants and children 440 (24)
Dahl, E. see Brattström, V.; Mølsted, K.; Vittrup, E.
Daliouris, C. P. see Papagrigorakis, M. J.
Darendeliler, A. see Darendeliler, M. A.
Darendeliler, M. A., Darendeliler, A., Sinclair, P. M. and Kusy, R.
Effects of static and pulsed electromagnetic fields on orthodontic tooth movement and bone healing 335 (9)
Darendeliler, M. A. see Joho, J-P.
Deli, G. see Deli, R.
Deli, R., Deli, G. and Mongardini, E.
Distribution of oxytalan, elaunin and elastic fibres in rabbit craniomandibular joint 441 (25)
De Pauw, G. and Dermaut, L.
The correlation between the initial orthopaedic displacement of the maxilla and longitudinal changes after force 441 (26)
Dermaut, L. R.
Orthopaedics in orthodontics. Fiction or reality 335 (10)
Dermaut, L. see De Pauw, G.; Gordjestani, M.; Kuyl, M. H.; Verrue, V.
De Smit, A. see Bogaert, A.
Diedrich, P. R. see Fuhrmann, R. A. W.; Wehrbein, H.
Dinçer, B. and Hazar, S.
The application of bioblock technique in Class II division 1 anomalies 441 (27)
Doğan, S.
Orthognathic surgical approach in the treatment of skeletal Class III patients 442 (29)
Doğan, S. and Akin, Y.
The effect of early chelioplasty on the maxilla in infants with unilateral cleft lip and palate 441 (28)
Dreyer, C. W. see Sims, M. R.

Eberhard, H., Hirschfelder, U. and Boulouchou, O.
Bond strength of two fluoride-releasing, visible light-activated bonding systems 442 (30)
Eckardt, L. and Harzer, W.
Computertomographic volume registration of jaw and tongue muscles in consideration of relationship between function of muscles and skeletal configuration 442 (31)
Eijden, T. M. G. J. van see Raadsheer, M. C.
Ekestubbe, H. see Kjellberg, H.
El Nofely, A. and Soliman, N.
Follow-up of premature loss of space in relation to MP/FH angle 442 (32)
Emmerson, W., Forsberg, C. M., and Linder-Aronson, S.
Increased horizontal mandibular position and growth after changed mode of breathing 443 (33)
Enacar, A., Aksoy, A. U., Köseoglu, O., Karabulut, G., Gürmeric, A. and Alanya, K.
Comparison of the effectiveness of otogenic bone graft material and a biomaterial (Biocoral) to obtain tooth movement in the bone defects 443 (34)
Engelke, W. see Schwestka-Polly, R.
Erdem, D. see Özbek, M. M.
Erdinger, L. see Schendel, K. U.
Erverdi, N. and Ates, S. I.
Cephalometric evaluation of the RPE added sagittal maxillary protraction procedure 443 (35)
Erverdi, N., Koyuturk, O. and Kuçukkeles, N.
NiTi coil springs and repelling magnets. A comparison of two different intraoral molar distalization techniques 335 (11)
Erverdi, N. see Kuçukkeles, N.
Espona, I. G. and Travesi, J.
Class I malocclusion subtypes by cluster analysis 443 (36)
Evans, R. D. and McDonald, F.
Effect of magnet corrosion products ($Nd_2Fe_{14}B$) on oral fibroblast proliferation 335 (12)
Evjen, G., Kvam, E. and Treen, B.
The influence of juvenile orthodontic treatment on adult dental health behaviour 444 (37)

Faltin, K., Jr.
The effectiveness of Class II bionator treatment—long-term results 444 (38)
Feldner, J. C.
In vitro torque deformation characteristics of orthodontic polycarbonate brackets 336 (13)
Ferrie, J. see Sergl, H. G.
Fischbach, H., Kahl, B., Godehardt, E. and Schwarze, C. W.
Classification of orthodontically treated patients with different malocclusions by graph-theory 444 (39)
Fischbach, H. see Kahl, B.
Fischer-Brandies, H., Zimehl, R., Theusner, J. and Bauer, T.
Thermic influence on glass ionomer cement used as bracket adhesive 444 (40)
Fischer-Brandies, H., Zimehl, R., Theusner, J. and Junge, F.
The adhesion of different glass ionomer cements to enamel 445 (41)
Forsberg, C. M. see Emmerson, W.
Forsgren, S. see Norevall, L-I
Fraccaroli, Z. see Bertelé, G. P.
Franchi, L. see Bassarelli, V.
Fränkel, R.
Orofacial orthopaedics with the function regulator as health care 336 (14)
Franklin, K. see Marklund, W.
Freeman, E. see Altuna, G.
Fröhlich, K. see Ingervall, B.
Fuhrmann, R. A. W., Wehrbein, H. and Diedrich, P. R.
High resolution computed tomography of the toothed jaw 445 (42)
Fuhrmann, R. A. W., Wehrbein, H. and Diedrich, P. R.
Radiological interpretation of the dentoalveolar sinus relation 445 (43)
Fuhrmann, R. A. W. see Wehrbein, H.

Gebauer, U. see Ingervall, B.
Geraets, W. G. M. see Korstjens, C. M.
Ghafari, J., Jacobsson-Hunt, U., Higgins-Barber, K., Beideman, R. W., Shofer, F. S. and Laster, L. L.
Identification of condylar anatomy affects the evaluation of mandibular growth 445 (44)
Ginkel, F. C. van see Raadsheer, M. C.; Ras, F. C.

Gjorculoska, N. and Vandevska-Radunovic, V.
Pharyngeal space and hyoid bone position in siblings 446 (45)
Godehardt, E. see Fischbach, H.
Godfrey, K.
Specialist orthodontics for financially and geographically disadvantaged communities 446 (46)
Göllner, P. see Ingervall, B.
Goodwin, P. see Moss, J. P.
Gordjestani, M. and Dermaut, L.
Effect of soft laser on rat's bone metabolism: a preliminary study 446 (47)
Gotte, P. see Bertelé, G. P.
Göz, G. see Ney, Th.
Graber, T. M.
Potential iatrogenic orthodontic response 336 (15)
Grøm, N. see Kjær, I.; Van den Eynde, B.
Greppi, L., Smith, D. C., Woodside, D. G., Varrela, T. and Lugowski, S.
Nickel hypersensitivity reactions in orthodontic patients 336 (16)
Guilleminault, C. see Svanborg, E.
Gunbay, U. see Hazar, S.
Gürmeric, A. see Enacar, A.

Haarsma, H. J., Burgersdijk, R. C. W., Kalsbeek, H. and Hof, M. A., van't
Evaluation of orthodontic treatment results 447 (48)
Habets, L. L. M. H. see Ras, F.
Hägg, U. see Chan, C. K.; Kaveewatcharanont, P.; Ling, J.; Mamopoulou, A.; Wong, G.
Halazonetis, D.
Changes in cheek pressure following rapid maxillary expansion 337 (17)
Hansen, K. see Mamopoulou, A.
Harzer, W., Seifert, D. and Wobst, R.
Long-term investigation of alveolar blood flow during tooth movement with scintigraphy in the dog 337 (18)
Harzer, W. see Eckardt, L.
Hazar, S., Sandikçioglu, M., Gunbay, U. and Kirkim, G.
Rapid maxillary expansion and conductive hearing loss 447 (49)
Hazar, S. see Dinçer, B.
Hensten-Pettersen, A. see Kerosuo, H.
Heimbach, A. see Kahl, B.
Hellquist, R. see Cheng, X.; Larson, M.
Herskind, A. see Paulsen, H. U.
Higgins-Barber, K. see Ghafari, J.
Hilgers, R. D. see Kahl, B.
Hirschfelder, H. see Hirschfelder, U.
Hirschfelder, U. and Hirschfelder, H.
3D CT-imaging for craniofacial diagnosis of facial asymmetries 337 (19)
Hirschfelder, U. see Eberhard, H.
Hoeksma, J. B. see Kuijpers-Jagtman, A. M.
Hof, M. A., van't see Haarsma, H. J.
Hoffmeister, B. see Bumann, A.

Ibe, D. and Segner, D.
Frictional forces between ceramic brackets and arch wires 447 (50)
Ibe, D. see Kastrup-Larsen, K.; Segner, D.
Ingervall, B., Göllner, P., Bantleon, H-P., Gebauer, U. and Fröhlich, K.
The correction of unilateral cross-bite of the first molars with a transpalatal arch: biomechanical and clinical investigations 337 (20)
Iseri, H. and Solow, B.
Continuous eruption of maxillary incisors and molars in girls,studied by the implant method 338 (21)
Isiksal, E. see Soytarhan, A.

Jacobsson-Hunt, U. see Ghafari, J.
Jäger, A. and Radlanski, R-J.
Immunohistochemical identification of cells of the mononuclear phagocyte lineage in the periodontium during orthodontic tooth movement in the rat 447 (51)
Jakobsson, O. P. see Cheng, X.; Larson, M.
Järvinen, S. H. K.
Posterior cranial base and sagittal jaw relationship 448 (52)
Johansson, C. B. see Bresin, A.
Joho, J-P., and Darendeliler, M. A.
Dental and skeletal effects of the MAD II (Magnetic Activator Device II) appliance in the correction of Class II/1 malocclusions 338 (22)
Jonas, I. see Breunig, A.
Junge, F. see Fischer-Brandies, H.

Kahl, B., Heimbach, A., Hilgers, R. D., Fischbach, H. and Schwarze, C. W.
Long-term effect of orthodontic and orthopaedic treatment on periodontal conditions 338 (23)
Kahl, B. see Fischbach, H.
Kalsbeek, H. see Haarsma, H. J.
Kantomaa, T., Pirttiniemi, P. and Tuominen, M.
Distal displacement of the glenoid fossa and condylar growth 338 (24)
Kantomaa, T. see Tuominen, M.
Kappert, H. F. see Breunig, A.
Karabulut, G. see Aksoy, A. U.; Enacar, A.
Karle, A. see Paulsen, H. U.
Kastrup-Larsen, K., Segner, D. and Ibe, D.
Torque properties of a new plastic bracket design 448 (53)
Katsaros, C., Kiliaridis, S. and Berg, R.
Functional influence on sutural growth in rat: a morphometric study 339 (25)
Katsavrias, E., Bitsanis, E., Spyropoulos, M. and Tsichlakis, K.
Activator treatment and TMJ configuration studied by standardized tomograms 339 (26)
Katsavrias, E. G. see Sideris, C. A.
Kaveewatcharanont, P., Samanarayake, L. P. and Hägg, U.
The effect of fixed orthodontic appliances on the oral carriage of *Candida* species and coliforms in adolescents 459 (98)
Keeling, J. W. see Kjær, I.
Kerosuo, H., Hensten-Pettersen, A. and Kleven, E.
In vitro release of nickel and chromium from orthodontic appliances 339 (27)
Kerr, W. J. S. see Sergl, H. G.
Kiliaridis, S. and Örtendahl, T. W.
Description of transverse force vectors from repelling permanent magnets *in vitro* 448 (54)
Kiliaridis, S. see Bresin, A.; Katsaros, C.; Kjellberg, H.; Raadsheer, M. C.
Kilpeläinen, P. V. J., Tulloch, J. F. C. and Phillips, C.
Mandibular incisor mucogingival status and early intervention for Class II malocclusion 448 (55)
Kirkim, G. see Hazar, S.
Kirschbaum, M. see Ruf, S.
Kjær, I., Keeling, J. W. and Grøm, N.
Holoprosencephaly and anencephaly: keys to understanding craniofacial skeletal development 339 (28)

Kjær, I. see Christensen, L. R.; Van den Eynde, B.
Kjær, T. W. see Van den Eynde, B.
Kjellberg, H., Ekestubbe, A., Kiliaridis, S. and Thilander, B. Measurements of condylar height in the panoramic radiograph 449 (56)
Kleven, E. see Kerosuo, H.
Kluge, G. and Rudzki-Janson, I. Quantitative cephalometric description of the shape of the mandible 449 (57)
Koch, R., Bartsch, A. and Witt, E. Prediction of outcome of orthodontic treatment. Preliminary results of a new methodological approach 340 (28)
Komorowska, A. and Pope, F. M. Orthodontic and dental complications of inherited connective tissue disorders 449 (58)
Komposh, G. see Schendel, K. U.
Konstantiantos, K. A., Papaionnou-Maragou, O. and Nassika, M. Awareness survey in dental students and faculty concerning CLP management 449 (59)
Kopp, S., Schneeberg, P., Milz, J., Bumann, A. and Schubert, R. Significance of static occlusion for disorders of the TMJ 450 (60)
Korstjens, C. M., Geraets, W. G. M., Prahl-Andersen, B., Stelt, P. F., van der and Burger, E. H. The ability to measure radiological trabecular orientation 340 (30)
Köseoglu, O. see Enacar, A.
Kosko, K. see Pirinen, R.
Koyuturk, O. see Erverdi, N.
Kuçukkeles, N. and Erverdi, N. Autorotation of the mandible due to first molar extraction 450 (62)
Kuçukkeles, N. see Erverdi, N.
Kuijpers-Jagtman, A. M., Peerlings, R. H. J. and Hoeksma, J. B. Improvement of facial appearance after orthodontic treatment 340 (31)
Kuijpers-Jagtman, A. M. see Maltha, J. C.
Kuroda, T. see Suzuki, S.
Kurol, J. see Bondemark, L.
Kusy, R. see Darendeliler, M. A.
Kuwahara, Y. see Nagaoka, K.
Kuyl, M. H., Verbeeck, R. M. H. and Dermaut, L. R. The integumental profile: a reflection of the underlying skeletal configuration 450 (61)
Kvam, E. see Blix Werner, A.; Evjen, G.

Laine, T. see Pahkala, R.
Lammi, S. see Pahkala, R.
Langsch, B., Cosic, S. et al. An analytical investigation into certain cephalometric and craniometric measurements 450 (63)
Larson, M., Hellquist, O. P. and Jakobsson, O. P. Hypodontia and other dental abnormalities in isolated cleft palate patients 451 (64)
Laster, L. L. see Ghafari, J.
Lauweryns, I. and Carels, C. Magnetic resonance imaging of the masseter muscle in twins 340 (32)
Legnaro, G. see Miotti, F. A.
Lelong, O. see Dahan, J. S.
Lenko, H-L. see Pirinen, R.
Leonoardi, R., Zaborra, G. and Caltabiano, M. *In vivo* surface corrosion of NiTi, TMA and stainless steel orthodontic wires 451 (65)
Lerner, U. H. see Marklund, M.; Ransjö M.
Lieberman, M. see Vardimon, A. D.
Linder Aronson, S see Emmerson, W.
Ling, J. and Hägg, U. Orthodontic treatment need and demand of 12 year-old Chinese children in Hong Kong 451 (66)
Linney, A. D. see Moss, J. P.
Lowe, A. A. Obstructive sleep apnoea 341 (33)
Lundgaard, H. Skeletal anterior open bite and true molar intrusion in non-growing patients 451 (67)
Lundström, A. The Frankfort horizontal compared with the S–N line in natural head position (NHP) and orientation (NHO) 452 (68)
Lugowski, S. see Greppi, L.

Majurin, A. see Pirinen, R.
Malmgren, O. see Abrahamsson, A.
Maltha, J. C., Kuijpers-Jagtman, A. M. and Pilon, J. J. G. M. Relation between force magnitude and orthodontic tooth displacement 452 (69)
Mamopoulou, A., Hägg, U., Schröder, U. and Hansen, K. Aplasia of mandibular second premolars, spontaneous space closure following extractions: a four-year study 452 (70)
Mancini, E. G., Barenghi, A., Cocconi, R., Rusca, M. P. and Bordegari, A. Roentgen cephalogram image and computer-assisted data processing 452 (71)
Manzini, P. see Miotti, F. A.
Marcusson, A., Norevall, L. I. and Persson, M. White spot reduction when using glass ionomer cement for bonding in orthodontics 453 (72)
Marklund, M. and Franklin, K. A modified activator may be used for treatment of the obstructive sleep apnoea syndrome 341 (34)
Marklund, M., Ransjö, M. and Lerner, U. H. Thrombin-induced prostaglandin E2 biosynthesis is inhibited by 17 β-estradiol in human periodontal ligament cells 453 (73)
Marklund, M. see Ransjö, M.
Mathiesen, M. see Van den Eynde, B.
Matsson, D. L. see Norevall, L-I.
McCance, A. see Brattström, V.; Vittrup, E.
McDonald, F. see Evans, R. D.
McWilliam, J. S. see Brattström, V.
Metsäranta, M. see Rintala, M.
Midtbø, M. and Nalse, A. Tooth crown size and morphology in Turner syndrome 453 (74)
Milz, J. see Kopp, S.
Milleding, A., Bahrani, Z., Örtendahl, T. and Mohlin, B. Material properties and friction forces for a glass-fibre reinforced plastic bracket 453 (75)
Miotti, F. A., Bolzan, M., Balestro, G., Manzini, P. and Legnaro, G. Methods of assessing orthodontic treatment need 454 (76)
Miura, F. see Nagaoka, K.
Mizuno, H. see Yoshino, S.
Mohlin, B. see Milleding, A.

Mølsted, K. and Dahl, E.
Craniofacial growth in combined cleft lip and palate. A longitudinal roentgencephalometric study by the implant method 341 (35)
Mölsted, K. see Brattström, V.; Vittrup, E.
Mongardini, E. see Deli, R.
Moss, J. P., Linney, A. D., Goodwin, P. and Shaw, I. A.
A three-dimensional study of treatment with magnet and non-magnet twin blocks 342 (36)
Moussa, H. M.
Nasal allergy: characteristics of dentition and morphology in Egyptian children 454 (77)

Nagaoka, K., Miura, F. and Kuwahara, Y.
Normal standards for various cephalometric and model analyses of a Japanese population 454 (78)
Nalse, A. see Midtbø, M.
Nassika, M. see Konstiantos, K. A.
Nergiz, I. see Akin, N.
Ney, Th., Bacher, M. and Göz, G.
Debonding-force and its effect on tooth deformation 454 (79)
Norevall, L-I., Forsgren, S. and Matsson, D. L.
Expression of neuropeptides (CGRP, substance P) during and after orthodontic tooth movement in rats 455 (80)
Norevall, L. I. see Marcusson, A.

Odenrick, L. see Brattström, V.
Øgaard, B. see Batouti, A. E.; Büyükyilmaz, T.
Ømblus, J. see Abrahamsson, A.
Opitz, Ch., Subklew, D. and Shetty, D. K.
Surgical backward repositioning of the premaxilla in children with bilateral cleft palate and the effects on growth 455 (81)
Örtendahl, T. W. see Kiliardis, S.; Milleding, A.
Ovesen, J. see Solow, B.
Özbek, M. M. and Erdem, D.
Cervical posture, airway adequacy and vertical craniofacial configuration 455 (82)
Özdamar, S. see Tosun, Y.
Özgen, M. see Tosun, Y.

Pahkala, R., Laine, T. and Lammi, S.
Orofacial dysfunctions and malocclusions in 9–10 year old children 455 (83)
Palazzo, G. see Verzi, P.
Pancherz, H. and Anehus-Pancherz, M.
Facial profile changes during and after Herbst appliance treatment 456 (84)
Pancherz, H. see Ruf, S.
Papagrigorakis, M. J. and Daliouris, C. P.
Soft tissues in Down's syndrome 456 (85)
Papaioannou-Maragou, O.
Comparison of treatment results with Edgewise and Begg approach 456 (86)
Papaioannou-Maragou, O. see Konstiantos, K. A.
Pappalardo, G. see Verzi, P.
Paulsen, H. U. and Andreasen, J. O.
Pulp healing of immature autotransplanted premolars in orthodontic treatments 456 (87)
Paulsen, H. U., Karle, A., Bakke, M. and Herskind, A.
Herbst treatment in late puberty. CT-scanning and radiographic analysis of temporomandibular joints 457 (88)
Peerlings, R. H. J. see Kuijpers-Jagtman, A. M.
Persson, M. see Andlin-Sobocki, A.; Marcusson, A.; Ransjö, M.
Phillips, C. see Kilpeläinen, P. V. J.
Piekarczyk, B. see Piekarczyk, J.; Zadurska, M.
Piekarczyk, J., Piekarczyk, B. and Biedrzycka, E.
Surgical-orthodontic treatment of TMJ ankylosis in childhood 457 (89)
Pietilä, I. see Pietilä, T.
Pietilä, T. and Pietilä, I.
Adolescents' concern for dental appearance in a medium sized Finnish community 342 (37)
Pietrzak-Bilinska, B.
Oral cavity candidiasis in orthodontically treated children 457 (90)
Pilon, J. J. G. M. see Maltha, J. C.
Pirinen, R., Majurin, A., Lenko, H-L. and Koski, K.
Craniofacial features in lack and excess of growth hormone 342 (38)

Pirttiniemi, P. see Kantomaa, T.; Tuominen, M.
Pitaru, S. see Vardimon, A. D.
Platzer, U. see Akin, N.
Poikela, A. and Tuominen, M.
Unilateral masticatory function and the shape of the glenoid fossa 457 (91)
Pope, F. M. see Komorowska, A.
Pospieszynska, M. D.
Necessity of orthodontic treatment of girls with dysgenesis gonadorum 458 (92)
Prahl-Andersen, B. see Brattström, V.; Korstjens, C. M.; Raadsheer, M. C.; Ras, F. C.; Vittrup, E.

Raadsheer, M. C., Eijden, T. M. G. J., van, Spronsen, P. H., van, Ginkel, F. C., van, Kiliaridis, S. and Prahl-Andersen, B.
Masseter muscle thickness measured by ultrasonography, comparison with MRI-measurements 342 (39)
Radlanski, R-J. see Jäger, A.
Rahamin, E. see Redlich, M.
Rajic, S., Stefanac-Papic, J. and Zergellern-Cupak, Lj.
Incidence of malocclusions in subjects with Down's syndrome 458 (93)
Rakosi, T. see Breunig, A.
Ransjö, M., Marklund, M., Persson, M. and Lerner, U. H.
Interactions between cytokines, bradykinin and thrombin on prostaglandin biosynthesis in human PDL cells 458 (94)
Ransjö, M. see Marklund, M.
Ras, F., Habets, L. L. M. H., Ginkel, F. C., van and Prahl-Andersen, B.
Transverse, vertical and saggital components of facial asymmetry in UCLP patients 343 (40)
Redlich, M., Rahamin, F. and Shoshan, S.
Ultrastructural study of gingival collagen following orthodontic rotation in dogs 458 (95)
Reichle, R. see Breunig, A.
Reinhardt, R. see Sergl, H. G.
Ring, P.
Examination of head posture and head position in cleft lip and palate patients 459 (96)

Rintala, M., Rönning, O. and Metsäranta, M.
Abnormal cartilage structure in the mandibular condyle and the clavicle of transgenic mice 459 (97)
Rølla, G. see Büyükyilmaz, T.
Rönning, O. see Rintala, M.
Rosa, M. see Cozzani, M.
Ruben, J. see Büyükyilmaz, T.
Rudzki-Janson, I. see Kluge, G.; Schweizer, C.
Ruf, S., Pancherz, H. and Kirschbaum, M.
Facial morphology, size and activity of the masseter muscle 343 (41)
Rusca, M. P. see Mancini, E. G.
Rygh, P. and Brudvik, P.
Root resorption and new wire qualities 343 (42)

Saatci, P. see Aksoy, A. U.
Samanarayake, L. P. see Kaveewatcharanont, P.
Sampson, W. J. see Sims, M. R.
Sanda, F. G. see Wichelhaus, A.
Sandikçioglu, M. see Hazar, S.
Schendel, K. U., Erdinger, L., Schmetzer, P. and Komposh, G.
Toxicity, irritation and mutagenicity of materials used in orthodontics 343 (43)
Schmetzer, P. see Schendel, K. U.
Schmidt, J. see Sergl, H. G.
Schneeberg, P. see Kopp, S.
Schröder, U. see Mamopoulou, A.
Schubert, R. see Kopp, S.
Schwarze, C. W. see Fischbach, H.; Kahl, B.
Schwarzer, C. see Bumann, A.
Schweizer, C. and Rudzki-Janson, I.
Bond strengths of metal brackets with new macro- and micro-base retention design 459 (99)
Schwestka-Polly, R. and Engelke, W.
Influence of spikes on tongue movement detected by electromagnetic articulography 460 (100)
Sebata, M. see Chang, C. S.; Yamaguchi, H.
Segner, D. and Ibe, D.
Properties of super-elastic wires and their relevance to orthodontic treatment 344 (44)
Segner, D. see Ibe, D.; Kastrup-Larsen, K.
Seifert, D. see Harzer, W.
Semb, G. see Brattström, V.; Vittrup, E.
Sergl, H. G., Bruce, M., Ferrie, J. and Kerr, W. J. S.
The relationship of the size and location of alveolar arches (Alveolar Arch Index) as a diagnostic criterion 460 (101)
Sergl, H. G., Reinhardt, R., Zentner, A. and Schmidt, J.
The value of a dental arch index related to tooth size and facial breadth 344 (45)
Shaw, I. A. see Moss, J. P.
Shaw, W. C. see Brattström, V.; Vittrup, E.
Shetty, D. K. see Opitz, Ch.
Shofer, F. S. see Ghafari, J.
Shoshan, S. see Redlich, M.
Sideris, C. A., Spyropoulos, M. N. and Katsavrias, E. G.
Short-term effects of low-energy diet on rat skull growth 461 (103)
Sims, M. R., Sampson, W. J. and Dreyer, C. W.
Ageing changes in the periodontal ligament microvasculature 344 (46)
Sinclair, P. M. see Darendeliler, M. A.
Skov, S. see Solow, B.
Smith, D. C. see Greppi, L.
So, L. see Wong, G.
Soliman, N. see El Nofely, N.
Solow, B., Skov, S., Ovesen, J., Würtzen Nielsen, P. and Wildlschiøtz, G.
Cranio-cervical posture and airway maintenance in obstructive sleep apnoea 344 (47)
Solow, B. see Iseri, H.; Van den Eynde, B.
Soytarhan, A. and Isiksal, E.
Treatment of Class II division 1 cases with the Herbst appliance 461 (104)
Spiegler, A. see Vardimon, A. D.
Spronsen, P. H., van see Raadsheer, M. C.
Spyropoulos, M. N.
Orthodontics as a health service for handicapped patients 345 (48)
Spyropoulos, M. see Katsavrias, E.; Sideris, C. A.
Stefanic-Papic, J. see Rajic, S.
Stelt, P. F., van der see Korstjens, C. M.
Stene, T. see Blix Werner, A.
Subklew, D. see Opitz, Ch.
Sueishi, K. see Yamaguchi, H.
Sürücü, R. and Türker, E.
Effect of extraction and non-extraction treatment on arch dimensions 461 (105)
Suzuki, S., Kuroda, T. and Amano, M.
Surgical orthodontic treatment in a case with acromegaly 461 (106)
Svanborg, E., Carlsson-Nordlander, B., Guilleminault, C., Zettergren-Wijk, L. and Ågren, K.
Prospective study of dentition and nocturnal respiration in young children after treatment of obstructive sleep apnoeas 345 (49)

Tangugsorn, V. see Büyükyilmaz, B.
Telli, A. E. see Aksoy, A. U.; Ugur, T.
Tezcan, S. see Tosun, Y.
The, R. P. S. see Brattström, V.; Vittrup, E.
Theusner, J. see Fischer-Brandies, H.
Thilander, B. see Kjellberg, H.
Tillemans, F. see Dahan, J. S.
Tng, T. H. see Chan, C. K.
Tosun, Y.
The effects of rapid expansion on palatal dimensions 462 (107)
Tosun, Y., Özdamar, S., Tezcan, S., Yalçin, S. and Özgen, M.
Histological evaluation of effect of Nance appliance on palatal mucosa 345 (50)
Travesi, J. see Espona, I. G.
Treen, B. see Evjen, G.
Tsichlakis, K. see Katsavrias, E.
Tulloch, J. F. C. see Kilpeläinen, P. V. J.
Tuominen, M., Kantomaa, T. and Pirttiniemi, P.
Effect of altered loading on the shape of the condyle in the rat 462 (108)
Tuominen, M. see Kantomaa, T.; Poikela, A.
Türker, E. see Sürücü, R.

Ugur, T., Ciger, S., Aksoy, A. and Telli, A.
An epidemiological survey using TPI Index 462 (109)

Van den Eynde, B., Kjær, I., Solow, B., Græm, N., Kjær, T. W. and Mathiesen, M.
Cranial base angulation related maturation in human foetuses 462 (110)

Vandevska-Radunovic, V. see Gjorculoska, N.
Van Rensburg, S. D. J. see Wiltshire, W. A.
Vardimon, A. D., Pitaru, S., Lieberman, M. and Spiegler, A.
Remineralization of the midpalatal suture subsequent to palatal expansion treatment 463 (111)
Varrela, J.
Longitudinal assessment of Class II occlusal and skeletal development in the deciduous dentition 345 (51)
Varrela, T. see Greppi, L.
Vasey, D. J. see Barry, G. R. P.
Verbeeck, R. M. H. see Kuyl, M. H.
Verrue, V. and Dermaut, L.
Simulation of initial orthopaedic displacement by means of finite elements 463 (112)
Verzi, P., Palazzo, G., Cataliotti, M. G. and Pappalardo, G.
Longitudinal study of complete unilateral condylar fracture in a young subject 463 (113)
Vittrup, E., Mølsted, K., Dahl, E., Asher-McDade, C., Axelson, S., Brattström, V., McCance, A., Prahl-Andersen, B., Semb. G., Shaw, W. C. and The, R.
Palatal width and registration of malocclusion in UCLP-subjects 463 (114)

Walker, E. see Altuna, G.
Wehrbein, H., Fuhrmann, R. A. W. and Diedrich, P. R.
Histological conditions in case of basally extended maxillary sinus 464 (116)
Wehrbein, H., Fuhrmann, R. A. W. and Diedrich, P. R.
Long-term orthodontic load to titanium implants 346 (52)
Wehrbein, H. see Fuhrmann, R. A. W.
Weiland, F. J.
Occlusal discrepancies and long-term stability of the mandibular arch 346 (53)
Wennberg, A. see Bondemark, L.
Wichelhaus, A. and Sanda, F. G.
The reaction of transformation of superelastic wires 464 (118)
Wildlschiødtz, G. see Solow, B.
Wiltshire, W. A. and Van Rensburg, S. D. J.
In vitro release from three light-cured orthodontic bonding resins 465 (119)
Witt, E. see Koch, R.
Wobst, R. see Harzer, W.
Wong, G., Hägg, U. and So, L.
The frequency of significant sagittal dental and skeletal changes during Herbst treatment 464 (115)
Woodside, D. G. see Greppi, L.
Würtzen Nielsen, P. see Solow, B.
Wygaerts, I. see Bogaert, A.

Yalçin, S. see Tosun, Y.
Yamaguchi, H., Sueishi, K. and Sebata, M.
Changes in oral functions before and after surgical-orthodontic treatment 465 (120)
Yamaguchi, H. see Chang, C. S.
Yoshino, S. and Mizuno H.
A study of maxillofacial morphology in nasopharyngeal obstructed patients 465 (121)

Zaborra, G. see Leonardi, R.
Zachrisson, B. U. see Axelsson, S.
Zadurska, M. and Piekarczyk, B.
Rare cases of anodontia of permanent dentition 465 (122)
Zentner, A. see Sergl, H. G.
Zergollern-Cupak, Lj. see Rajic, S.
Zettergren-Wijk, L. see Svanborg, E.
Zimehl, R. see Fischer-Brandies, H.